Index of Claims

Application/Control No.

10/657,103

Examiner

Bridget E. Bunner

Applicant(s)/Patent under Reexamination

FUKUSHIMA ET AL.

Art Unit

1647

| 1 | Rejected |
|---|----------|
| = | Allowed  |

(Through numeral) Cancelled Restricted

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
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|----------|---------------------------------------|--|-----------|----------|--------------|--|----------|--|----------|----------|------|-------|----------|---------------------|----------|----------|----------|----------|-----------|----------|----------|----------|-----|-------|------------|----------|----------|----------|----------|----------|----------|----------------|---------------|
| Cla      | aim                                   | Date   |           |          |              |  |          |  |          | Cla      | im   | Date  |          |                     |          |          |          |          |           |          |          | Cla      | aim | Date  |            |          |          |          |          |          |          |                |               |
| Final    | Original                              | 5/23/06  | 2/6/07    |          |              |  |          |  |          |          | à,   | Final | Original |                     |          |          |          |          |           |          |          |          |     | Final | Original   |          |          |          |          |          |          |                |               |
|          | 1                                     | 1  | 1         |          |              |  |          |  |          |          |      |       | 51       |                     |          | 寸        |          |          |           |          |          |          | •   |       | 101        |          |          |          |          |          | 口        |                |               |
|          | 2                                     | ✓  | 1         |          |              |  |          |  |          |          | 18   |       | 52       |                     |          |          |          | $\perp$  |           | $\Box$   |          |          |     |       | 102        |          | _        |          |          |          | _        |                | <u> </u>      |
| <u> </u> | 3                                     | N  | <u>-</u>  |          |              |  |          |  |          | Ш        |      |       | 53       | $\sqcup$            | _        | 4        | _        | $\dashv$ | _         | _        | _        |          |     |       | 103        | _        | 4        | _        | _        | $\Box$   | _        |                | <u> </u>      |
|          | 4                                     | N  | -         | _        |              | Ш  |          |  |          | Щ        |      |       | 54       | $\vdash \downarrow$ |          | 4        | -        | +        | 4         | _        |          | -        |     |       | 104        | _        | 4        |          | $\dashv$ | $\dashv$ |          |                | <u> </u>      |
|          | 5                                     | N  | -         |          |              | -  | _        |  |          | _        |      |       | 55       | $\vdash$            | $\dashv$ |          | $\dashv$ | $\dashv$ | -         | -        |          |          |     |       | 105<br>106 | -        | -        | ᅱ        | -        | $\dashv$ |          | $\dashv$       | _             |
| <u> </u> | 6                                     | N  | <u> -</u> |          | :            | -  | _        | <u> </u>   | _        | Н        | .5-  |       | 56<br>57 | $\vdash$            | $\dashv$ | -+       | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |          | $\dashv$ |     |       | 107        | +        | $\dashv$ |          | $\dashv$ |          | $\dashv$ | $\dashv$       |               |
|          | 8                                     | N  | -         | $\vdash$ |              |  | $\vdash$ |  |          | Н        |      |       | 58       | $\vdash$            | -+       | $\dashv$ | $\dashv$ | $\dashv$ | -         | $\dashv$ | ᅱ        |          |     |       | 108        | -        | +        | $\dashv$ |          | $\dashv$ |          | $\dashv$       |               |
| -        | 9                                     | N  | ÷         | -        | _            | $\vdash$   | -        | H  |          | Н        | -    |       | 59       | $\vdash$            | $\dashv$ | -+       | $\dashv$ | +        | +         | $\dashv$ | ᅥ        | -        |     |       | 109        | +        | +        | -        |          | -        | $\dashv$ |                | $\overline{}$ |
| -        | 10                                    | 1  | 7         | H        | _            |  | $\vdash$ |  |          | -        | . "  |       | 60       |                     | $\dashv$ | $\dashv$ | 十        | -1       | 7         | 1        | _        | $\dashv$ |     |       | 110        | $\dashv$ | 寸        | $\neg$   |          | $\neg$   | $\dashv$ |                | $\overline{}$ |
| <u> </u> | 11                                    | Ť  | V         |          |              |  | $\vdash$ |  | _        | Н        | : 10 |       | 61       |                     | $\dashv$ | 7        | T        | $\dashv$ |           |          |          | $\neg$   |     |       | 111        |          | 7        | ᅵ        |          |          | $\neg$   |                |               |
|          | 12                                    |  |           |          |              |  |          |  |          |          |      |       | 62       |                     | $\neg$   | $\neg$   |          | $\neg$   | $\exists$ |          |          |          | ğ • |       | 112        |          |          |          |          |          |          |                |               |
|          | 13                                    | Г  |           | Г        |              |  |          |  |          |          | 1    |       | 63       |                     |          | $\Box$   |          |          |           |          |          |          | 1.4 |       | 113        |          |          |          |          |          |          |                |               |
|          | 14                                    |  |           |          |              |  |          |  |          |          |      |       | 64       |                     | $\Box$   | $\Box$   | $\Box$   | $\Box$   |           | $\Box$   |          |          | ų.  |       | 114        |          | $\Box$   | $\Box$   |          |          |          | $\Box$         |               |
|          | 15                                    | 匚  |           |          |              |  |          |  |          |          | :    |       | 65       | Щ                   | $\perp$  | _[       | _        | _        | [         |          | [        |          |     |       | 115        | $\perp$  | 4        | _        |          | Щ        |          | Щ              | <u> </u>      |
| <u> </u> | 16                                    | $\perp$  | <u> </u>  | _        | $oxed{\Box}$ | L_   |          |  | L.       |          |      |       | 66       | $\sqcup$            | 4        | $\dashv$ | $\dashv$ | 4        | _         | _        |          | 괵        |     |       | 116        |          | -        | _        | _        |          | $\dashv$ |                | $\vdash$      |
|          | 17                                    | $oxed{oxed}$   | <u> </u>  | _        | _            |  | Щ.       |  |          | Щ        |      | ·     | 67       | $\vdash$            |          | -        | _        | -        | $\dashv$  | -        |          | $\dashv$ |     |       | 117        |          | $\dashv$ |          |          | $\dashv$ | $\dashv$ | -              | $\vdash$      |
| ļ        | 18                                    | <u> </u>   | <u> </u>  | _        |              |  | <u> </u> |  |          |          | k.   |       | 68       | $\vdash$            | $\dashv$ |          | $\dashv$ | 4        |           | $\dashv$ |          | $\dashv$ |     |       | 118        | -        | $\dashv$ | $\dashv$ | _        |          | $\dashv$ | $\dashv$       |               |
| <u> </u> | 19                                    | _  | <u> </u>  | <u> </u> |              |  | -        | _  | _        | Ш        |      |       | 69       | $\vdash \vdash$     |          | -        | $\dashv$ | -        | +         | -        |          | $\dashv$ |     |       | 119<br>120 |          | 4        | -        |          | -        | $\dashv$ | $\vdash$       | -             |
| -        | 20                                    | ├  | <u> </u>  | -        |              |  | <u> </u> | -  |          | $\vdash$ |      |       | 70<br>71 | $\vdash \vdash$     | $\dashv$ | -+       | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |          | -        |     |       | 121        | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\dashv$ | -              | $\vdash$      |
|          | 21                                    | ╁  | ├         | $\vdash$ |              | _  | ⊢        |  |          |          |      |       | 72       | ┝╌┼                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |          |     |       | 122        |          | +        | $\dashv$ | -        | -        | $\dashv$ | $\vdash$       | $\vdash$      |
|          | 23                                    | -  | -         | ⊢        |              |  | -        |  |          |          |      |       | 73       | $\vdash \vdash$     | +        | $\dashv$ | 十        | +        | $\dashv$  | $\dashv$ | $\dashv$ |          |     |       | 123        | $\dashv$ | $\dashv$ | $\dashv$ |          | $\vdash$ |          | $\dashv$       | $\vdash$      |
| $\vdash$ | 24                                    | ┢  | ┝         | $\vdash$ |              |  | -        | -  | _        |          | ÷    |       | 74       | $\vdash$            | +        | +        | $\dashv$ | ┪        | -+        | 1        |          |          |     |       | 124        | $\dashv$ | $\dashv$ | $\neg$   |          |          |          | $\Box$         | Г             |
|          | 25                                    | 1  | $\vdash$  | -        |              |  | $\vdash$ |  |          | Н        |      |       | 75       |                     | 寸        | 一        | $\dashv$ | $\neg$   | _         | ┪        |          |          |     |       | 125        | $\neg$   |          | $\neg$   |          |          | $\Box$   |                | $\overline{}$ |
| -        | 26                                    | $\vdash$   | $\vdash$  |          |              |  | T        |  |          |          |      |       | 76       |                     | 寸        | $\neg$   | 寸        | 寸        | _         | ヿ        | $\neg$   |          | · . |       | 126        |          | $\neg$   |          |          |          |          |                | Г             |
|          | 27                                    |  |           |          |              |  |          | $\vdash$   |          |          |      |       | 77       |                     | 7        | $\neg$   | $\neg$   | ┪        | 7         |          |          |          |     |       | 127        |          |          |          |          |          |          |                |               |
|          | 28                                    |  |           |          |              |  |          |  |          |          |      |       | 78       |                     |          |          |          | $\Box$   |           |          |          |          |     |       | 128        |          |          |          |          |          |          |                |               |
|          | 29                                    |  |           |          |              |  |          |  |          |          |      |       | 79       |                     |          |          |          |          |           |          |          |          | *   |       | 129        | $\perp$  | _        | _        |          |          | Ш        | Ш              | _             |
|          | 30                                    |  |           |          |              |  |          |  |          |          |      |       | 80       | $\sqcup$            | _        |          | _        | _        | _         | _        |          |          |     |       | 130        | $\Box$   | $\dashv$ |          |          |          |          | Ш              | <b>—</b>      |
| <u> </u> | 31                                    | L  | L         | _        |              | _  |          | L  |          | L        |      |       | 81       | $\sqcup$            | _        | _        | 4        | 4        | 4         | _        |          |          |     |       | 131        | $\dashv$ | 4        | _        |          |          | $\dashv$ | Ш              | <u> </u>      |
| <u> </u> | 32                                    | $\vdash$   | ldash     | <u> </u> | <u> </u>     |  | L        | <u> </u>   | <u> </u> | Ш        |      |       | 82       | $\vdash \vdash$     | $\dashv$ | _        | _        | 4        | -         | _        |          |          |     |       | 132        | $\dashv$ | 4        | _        |          | $\sqcup$ | -        | -              | $\vdash$      |
|          | 33                                    | ╀  | <u> </u>  | _        |              | <u> </u>   | _        | <del> </del>                                     | <u> </u> | Ш        |      |       | 83       | $\vdash$            |          |          | $\dashv$ | -        | -         | 4        | -1       |          |     | -     | 133<br>134 | -        | $\dashv$ | -        | _        |          | $\dashv$ | $\vdash$       | -             |
| -        | 34<br>35                              | $\vdash$   | $\vdash$  |          | _            | $\vdash$   | $\vdash$ | ├  | $\vdash$ | $\vdash$ |      |       | 84<br>85 | $\vdash$            | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +         | ᅱ        |          | _        |     |       | 135        | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ | $\vdash$ | $\dashv$ | $\vdash$       | -             |
| -        | 36                                    | +-   | ┝         | -        | $\vdash$     | $\vdash$   | ├-       | $\vdash$   | $\vdash$ | $\vdash$ |      |       | 86       | $\vdash$            | +        |          | $\dashv$ | +        | $\dashv$  | ᅱ        |          | -        |     |       | 136        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\vdash$ | $\dashv$ | $\vdash$       | _             |
| -        | 37                                    | ╁  | ⊢         | -        |              |  | -        | $\vdash$   | $\vdash$ | $\vdash$ |      |       | 87       | $\vdash$            | +        | -+       | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |          | -        |     |       | 137        | $\dashv$ | 一        | -        | -        | $\vdash$ | $\dashv$ | $\neg$         | Г             |
|          | 38                                    | $\vdash$   | $\vdash$  |          | $\vdash$     | <del>                                     </del> | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$ |      |       | 88       | $\vdash$            | +        | +        | +        | $\dashv$ | $\dashv$  | -        |          |          |     |       | 138        | $\dashv$ | $\dashv$ | ᅱ        |          | $\vdash$ | $\neg$   | П              | Γ             |
|          | 39                                    | 1  | $\vdash$  |          | $\vdash$     |  | T        | <del>                                     </del> | $\vdash$ | $\vdash$ |      |       | 89       | $\vdash$            | 7        | -        | +        | $\dashv$ | 十         | ᅥ        | $\dashv$ | $\neg$   |     |       | 139        | $\neg$   | $\dashv$ |          |          | $\Box$   | 一        | $\Box$         | Γ             |
|          | 40                                    | $\vdash$   | Т         |          | Г            | Ι_   | $\Box$   | Т  | $\vdash$ | $\Box$   |      |       | 90       | $\sqcap$            | 7        | 寸        | $\neg$   | $\dashv$ | $\dashv$  | ┪        |          |          |     |       | 140        |          |          |          |          |          |          |                |               |
|          | 41                                    | $\Gamma$   |           |          |              |  |          |  |          |          |      |       | 91       |                     |          |          |          |          |           |          |          |          |     |       | 141        |          |          |          |          |          |          |                |               |
|          | 42                                    |  |           |          |              |  |          |  |          |          |      |       | 92       |                     |          |          | $\Box$   | $\Box$   |           |          |          |          |     |       | 142        | $\Box$   | J        |          |          |          |          |                | $lue{}$       |
|          | 43                                    | $\Box$   |           |          |              |  |          |  | L        |          |      |       | 93       |                     | $\Box$   | $\Box$   | ⅃        | $\prod$  | $\bot$    | $\Box$   |          |          |     |       | 143        |          |          |          |          |          |          | Ш              | <u> </u>      |
|          | 44                                    | $oxedsymbol{oxedsymbol{oxedsymbol{oxedsymbol{\square}}}$ | $\Box$    |          |              |  | Ĺ        |  | L        | Ш        |      |       | 94       | Ш                   | _        | [        |          |          | _[        | _        |          |          |     |       | 144        | $\sqcup$ | $\dashv$ | _        | Щ        |          |          | Щ              | <u>—</u>      |
| <u> </u> | 45                                    | ┞  | <u> </u>  | _        |              | <u> </u>   | oxdot    | _  | L        | _        |      |       | 95       | $\sqcup$            | _        | _        | _        | 4        | _         | 4        | $\Box$   | Щ        |     |       | 145        | $\vdash$ | $\dashv$ | _        |          | $\vdash$ | $\dashv$ | Щ              | <u> </u>      |
| <u> </u> | 46                                    | $\vdash$   | $\vdash$  | L        | <u> </u>     | $\vdash$   | <u> </u> | <u> </u>   | <u> </u> | _        |      |       | 96       | $\vdash \vdash$     | 4        | _        | _        | $\dashv$ | $\dashv$  | 4        | _        | Щ        |     |       | 146        | $\dashv$ | $\dashv$ | _        |          | $\vdash$ | $\vdash$ | $\vdash\vdash$ | $\vdash$      |
|          | 47                                    | ╀  | $\vdash$  | $\vdash$ | <u> </u>     | <del> </del>                                     | ⊢        |  | <u> </u> | <u> </u> |      |       | 97       | $\vdash \vdash$     | 4        | -        |          | 4        | -         |          | -        | Н        |     |       | 147        | $\dashv$ | -        | $\dashv$ |          | $\vdash$ | -        |                | -             |
| <u> </u> | 48                                    | ⊢  | ⊢         | <u> </u> | <u> </u>     | ⊢  | ├        | ⊢  | $\vdash$ | Н        |      |       | 98<br>99 | $\vdash \vdash$     | $\dashv$ | $\dashv$ | -+       | $\dashv$ | -         | -        | $\dashv$ |          |     |       | 148<br>149 | $\dashv$ | -        | $\dashv$ |          |          |          | $\vdash$       | -             |
| -        | 49<br>50                              | ⊬  | ⊢         | $\vdash$ | -            | ⊢  |          | ├  | $\vdash$ | $\vdash$ |      |       | 100      | $\vdash$            | $\dashv$ | -+       | $\dashv$ | $\dashv$ | $\dashv$  | ┥        | $\dashv$ | Н        |     |       | 150        | -        | $\dashv$ | $\dashv$ | _        | $\vdash$ | $\dashv$ | $\vdash$       | $\vdash$      |
|          | LOU                                   | Ц_   |           |          | L            | L_   | <u> </u> | Ц_   | <u> </u> | ш        |      |       | 100      |                     |          |          |          | _        |           |          |          |          |     |       | 130        |          |          |          |          |          |          | ш              |               |